Impact of climate change on agriculture

571. SHRIMATI SHOBHANA BHARTIA:
SHRI MAHENDRA MOHAN:
Will the Minister of AGRICULTURE be pleased to state:

(a) whether Government has prepared action plans for management of the likely effects of climate change on agriculture;

(b) if so, the details thereof;

(c) whether the effect of climate change could cause scarcity of agricultural products; and

(d) if so, the plans formulated by Government to face the situation?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI KANTILAL BHURIA): (a) to (d) The Government has prepared the National Action Plan on Climate Change (NAPCC) to meet the challenge of climate change. The NAPCC identifies measures that promote our developmental objectives while also yielding co-benefits for addressing climate change effectively. There are eight National Missions under the NAPCC including the National Mission for Sustainable Agriculture for making Indian agriculture more resilient to climate change. Though no confirmed findings are available, studies made so far indicate likelihood of increased production variably due to climate change. The Department of Agriculture & Cooperation and the Department of Agricultural Research and Education have jointly prepared the Mission Document under the National Mission for Sustainable Agriculture (NMSA) which contains the adaptation and mitigation measures required to combat the likely adverse impacts of climate change.

Use of 'Panchgavya', 'Gomutra' and 'Chaturgavya' in agriculture

†572.SHRI SHREEGOPAL VYAS: Will the Minister of AGRICULTURE be pleased to state:

(a) whether it is a fact that the use of 'Panchgavya' and 'Gomutra' is increasing for agricultural in the developed countries;

(b) whether India is said to be experiencing a significant rise in the agricultural produces with the use of 'Chaturgavya' along with the natural manure; and

(c) whether experiments for this purpose have been done in the agricultural research centres and information is being given to the farmers?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI KANTILAL BHURIA): (a) and (b) The use of organic inputs including 'Panchgavya' and 'Gomutra' is becoming popular in some developed countries practicing organic farming. In the recent years, India has also witnessed considerable growth in organic agriculture and use of these home-made preparations is gaining popularity. 'Panchgavya' is reported to enhance biological efficiency of crop plants and quality of fruits and vegetables. Similarly, 'Gomutra' is a rich source of copper, iron, calcium, phosphorous, carbonic acid, potash and lactase. However, information on the use of 'Chaturgavya' and its role in increasing agricultural produce along with natural manure is not available.

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†Original notice of the question was received in Hindi.